

AMENDMENTS TO THE DRAWINGS

The attached sheet of drawings includes changes to Fig. 16B. This sheet, which includes Figs. 16A and 16B replaces the original sheet including Figs. 16A and 16B.

Attachment: Replacement Sheet

REMARKS/ARGUMENTS

Favorable reconsideration of this application, as presently amended and in light of the following discussion, is respectfully requested.

Applicant initially notes that an Information Disclosure Statement (IDS) was filed on April 30, 2004 citing, among other references, the two references of No. WO 98/43207 and No. 102 11 530, and a European search report. Those two references cited in that IDS have not been acknowledged as considered in the outstanding Office Action. Applicant respectfully requests that those two references in the filed IDS be formally acknowledged as considered.

Claims 1-4, 6, 8-21, 23, 25-30, 32 and 34-38 are pending in this application. Claims 5, 7, 22, 24, 31 and 33 are canceled without prejudice or disclaimer. Claims 1, 2, 4, 6, 8-11, 13, 17, 18, 20, 21, 23, 25-30, 32 and 34-37 are amended. Applicant submits that no new matter is introduced.

In the outstanding Office Action, Claims 1-6, 8-10, 13-23, 25-27, 30-32 and 34-36 were rejected under 35 U.S.C. §103(a) as unpatentable over Sato et al. (U.S. Patent No. 5,926,616, herein "Sato") in view of Kawamura et al. (U.S. Patent No. 4,926,268, herein "Kawamura"). However, Claims 7, 11, 12, 24, 28, 29, 33, 37 and 38 were indicated as allowable if rewritten in independent form. Applicant gratefully acknowledges the indication of the allowable subject matter.

Applicant herewith submits a Letter Submitting Replacement Drawing Sheet along with 1 replacement sheet for Figure 16B, amending Figure 16B to be in accordance with the pulse patterns of the input binary data 1110b shown in Figure 15. In Figure 16B, the phases g, h, and i should be -1, 0, -1, instead of phases e, g, and i being 0, -1, -1. It can be seen in Figure 15 that the duty ratio of e is 100% and therefore does not require a phase shift, while h is centered, therefore has the phase 0. Therefore, the changes to Figure 16B are not believed

believed to raise a question of new matter. The relevant portions of the specification are also amended herewith, so as to reflect the changes of Figure 16B correctly.

The present response is submitted to place the above-identified application in condition for allowance based on the indication of allowable subject matter noted above.

More particularly, by the present response independent Claims 1, 21 and 30 are each amended to incorporate features recited in allowable Claims 7, 24 and 33, and features recited in intervening Claims 5, 22 and 31, respectively. Accordingly, Claims 5, 7, 22, 24, 31 and 33 are canceled. Independent Claims 13 and 17 are amended similarly to Claims 1, 21 and 30. Claims 11, 28 and 37 are rewritten in independent form. Additionally, Claims 1, 2, 4, 6, 8-11, 13, 17, 18, 20, 21, 23, 25-30, 32 and 34-37 are amended to correct minor informalities and to better comply with U.S. claim drafting practice.

Thereby, by the present response only claims reciting subject matter indicated as allowable in the outstanding Office Action are currently pending.

As no other issues are pending in this application, it is respectfully submitted that the present application is now in condition for formal allowance, and it is hereby respectfully requested that this case be passed to issue.

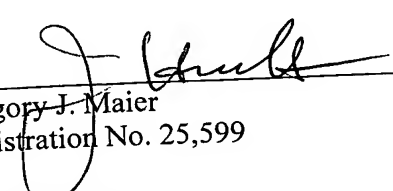
Respectfully submitted,

OBLON, SPIVAK, McCLELLAND,
MAIER & NEUSTADT, P.C.

Customer Number
22850

Tel: (703) 413-3000
Fax: (703) 413 -2220
(OSMMN 06/04)

GJM/SNS/HY/NPS/msh/ac
I:\ATTY\NS\000557\246078US\246078US-AM.DOC


Gregory J. Maier
Registration No. 25,599

Surinder Sachar
Registration No. 34,426

James D. Hamilton
Registration No. 28,421